

From: Topinka, Natalie

Sent: Thursday, February 15, 2018 08:53 PM

To: Beeler, Cindy; Mia, Marcia; Sorrell, Virginia; Vyas, Himanshu; Kaleri, Cynthia; North, Alexis; Gregory, John; Lischinsky, Robert; Lawrence, Rob; Patefield, Scott; Williams, Christopher; Hoyt, Daniel; Stovern, Michael; Loiacono, Sara

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

Attachments: Draft response to API comment on refracturing wells NMT cmts.docx

This does look great. I made a small edit for emphasis and added a paragraph - feel free to take, leave, or revise as you like.

Thanks for getting this together.

Natalie

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Natalie M. Topinka

Environmental Scientist

U.S. Environmental Protection Agency, Region 5

Air Enforcement and Compliance Assurance Branch

77 West Jackson Boulevard (AE-18J)

Chicago, IL 60604

ph: (312) 886-3853

fax: (312) 692-2410

From: Beeler, Cindy

Sent: Thursday, February 15, 2018 2:39 PM

To: Mia, Marcia <Mia.Marcia@epa.gov>; Sorrell, Virginia <Sorrell.Virginia@epa.gov>; Vyas, Himanshu <vyas.himanshu@epa.gov>; Topinka, Natalie <topinka.natalie@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; North, Alexis <North.Alexis@epa.gov>; Gregory, John <Gregory.John@epa.gov>; Lischinsky, Robert <Lischinsky.Robert@epa.gov>; Lawrence, Rob <Lawrence.Rob@epa.gov>; Patefield, Scott <Patefield.Scott@epa.gov>; Williams, Christopher <Williams.Christopher@epa.gov>; Hoyt, Daniel <Hoyt.Daniel@epa.gov>; Stovern, Michael <Stovern.Michael@epa.gov>; Loiacono, Sara <loiacono.sara@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

Thanks for doing this, Ginny and well done remembering your fluid dynamics class and Ideal Gas Law J.

## Ex. 5 Deliberative Process (DP)

Cindy Beeler

US EPA Region 8

Tel: 303-312-6204

Beeler.Cindy@epa.gov

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From: Mia, Marcia

Sent: Thursday, February 15, 2018 12:55 PM

To: Sorrell, Virginia <Sorrell.Virginia@epa.gov>; Vyas, Himanshu <vyas.himanshu@epa.gov>; Topinka, Natalie <topinka.natalie@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; North, Alexis <North.Alexis@epa.gov>; Gregory, John <Gregory.John@epa.gov>; Lischinsky, Robert <Lischinsky.Robert@epa.gov>; Lawrence, Rob <Lawrence.Rob@epa.gov>; Patefield, Scott <Patefield.Scott@epa.gov>; Williams, Christopher <Williams.Christopher@epa.gov>; Hoyt, Daniel <Hoyt.Daniel@epa.gov>; Stovern, Michael <Stovern.Michael@epa.gov>; Loiacono, Sara <loiacono.sara@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

## Ex. 5 Deliberative Process (DP)

# Ex. 5 Deliberative Process (DP)

Marcia B Mia, Acting Chief

Air Branch

Office of Compliance

2227A WJCS

U.S. Environmental Protection Agency

202-564-7042

From: Sorrell, Virginia

Sent: Thursday, February 15, 2018 2:06 PM

To: Vyas, Himanshu <vyas.himanshu@epa.gov>; Topinka, Natalie <topinka.natalie@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; North, Alexis <North.Alexis@epa.gov>; Gregory, John <Gregory.John@epa.gov>; Mia, Marcia <Mia.Marcia@epa.gov>; Lischinsky, Robert <Lischinsky.Robert@epa.gov>; Lawrence, Rob <Lawrence.Rob@epa.gov>; Patefield, Scott <Patefield.Scott@epa.gov>; Williams, Christopher <Williams.Christopher@epa.gov>; Hoyt, Daniel <Hoyt.Daniel@epa.gov>; Stovern, Michael <Stovern.Michael@epa.gov>; Loiacono, Sara <loiacono.sara@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

Hi all,

Please see attached for the excerpted API comment on this issue, and a draft response to that comment. Please correct any mis-statements and make any clarifying edits you feel would be appropriate or helpful by COB today if possible. If not, let me know. (I will re-read also since I wrote this quickly!) Also, please let me know if a call would be helpful, and please feel free to forward this draft to anyone else in your offices whose review would be helpful. This is just a draft from which to work, so happy to have changes or expansion to improve accuracy or clarity.

Dan, Chris, Scott, Mike, and Sara - copying you as well just based on your technical experience and backgrounds with oil and gas operations.

Thanks!

Ginny

Virginia Sorrell

Air Enforcement Division

Office of Civil Enforcement

U.S. Environmental Protection Agency

Phone: 303-312-6669

This email, including attachments, may contain material that is confidential, privileged, and/or attorney work product.

From: Vyas, Himanshu

Sent: Thursday, February 15, 2018 10:58 AM

To: Topinka, Natalie <topinka.natalie@epa.gov>; Sorrell, Virginia <Sorrell.Virginia@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; North, Alexis <North.Alexis@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

Yes, thanks!

## Ex. 5 Deliberative Process (DP)

Himanshu Vyas

Environmental Engineer

U.S. EPA, Region III

Office of Permits and State Programs (3AP10)

1650 Arch Street

Philadelphia, PA 19103-2029

Phone: 215-814-2112

FAX: 215-814-2134

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From: Topinka, Natalie

Sent: Thursday, February 15, 2018 12:50 PM

To: Sorrell, Virginia <Sorrell.Virginia@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>; Vyas, Himanshu <vyas.himanshu@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; North, Alexis <North.Alexis@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

# Ex. 5 Deliberative Process (DP)

From: Marsh, Karen

Sent: Thursday, February 15, 2018 7:56 AM

To: Thompson, Lisa <Thompson.Lisa@epa.gov>; Hambrick, Amy <Hambrick.Amy@epa.gov>; Cozzie, David <Cozzie.David@epa.gov>; DeFigueiredo, Mark <DeFigueiredo.Mark@epa.gov>; Weitz, Melissa <Weitz.Melissa@epa.gov>; Mia, Marcia <Mia.Marcia@epa.gov>; Gregory, John <Gregory.John@epa.gov>; Sorrell, Virginia <Sorrell.Virginia@epa.gov>; Branning, Amy <Branning.Amy@epa.gov>; Gilbreath, Jan <Gilbreath.Jan@epa.gov>; Kopits, Elizabeth <Kopits.Elizabeth@epa.gov>; Marten, Alex <Marten.Alex@epa.gov>; Durkee, Stanley <Durkee.Stan@epa.gov>; Vyas, Himanshu <vyas.himanshu@epa.gov>; Topinka, Natalie <topinka.natalie@epa.gov>; Lawrence, Rob <Lawrence.Rob@epa.gov>; Beeler, Cindy <Beeler.Cindy@epa.gov>; Witosky, Matthew <Witosky.Matthew@epa.gov>; Witt, Jon <Witt.Jon@epa.gov>; Garwood, Gerri <Garwood.Gerri@epa.gov>; Dewees, Jason <Dewees.Jason@epa.gov>; Miller, Elizabeth <Miller.Elizabeth@epa.gov>; Waltzer, Suzanne <Waltzer.Suzanne@epa.gov>; Eisele, Adam <Eisele.Adam@epa.gov>; Alsalam, Jameel <Alsalam.Jameel@epa.gov>; Pryor, Justin <Pryor.Justin@epa.gov>; Chan, Elizabeth <Chan.Elizabeth@epa.gov>; Davis, Alison <Davis.Alison@epa.gov>

Cc: Zenick, Elliott <Zenick.Elliott@epa.gov>; Kaleri, Cynthia <kaleri.cynthia@epa.gov>

Subject: RE: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

Hi everyone,

## Ex. 5 Deliberative Process (DP)

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Karen R. Marsh, PE

US EPA, OAQPS, Sectors Policies and Programs Division

Fuels and Incineration Group

109 TW Alexander Drive, Mail Code E143-05

Research Triangle Park, NC 27711

Direct: (919) 541-1065; email: marsh.karen@epa.gov

-----Original Appointment-----

From: Thompson, Lisa

Sent: Friday, November 17, 2017 11:43 AM

To: Thompson, Lisa; Hambrick, Amy; Cozzie, David; DeFigueiredo, Mark; Weitz, Melissa;

Mia, Marcia; Gregory, John; Sorrell, Virginia; Branning, Amy; Gilbreath, Jan; Kopits, Elizabeth; Marten, Alex; Durkee, Stanley; Vyas, Himanshu; Topinka, Natalie; Lawrence, Rob; Beeler, Cindy; Marsh, Karen; Witosky, Matthew; Witt, Jon; Garwood, Gerri; Dewees, Jason; Miller, Elizabeth; Waltzer, Suzanne; Eisele, Adam; Alsalam, Jameel; Pryor, Justin; Chan, Elizabeth; Davis, Alison

Cc: Zenick, Elliott; Kaleri, Cynthia

Subject: Workgroup Meeting: SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration"

When: Thursday, February 15, 2018 11:00 AM-12:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Call-in: 919-541-1596 || RTP-E149

Bi-weekly check-in meeting for SAN 5719.8 "Oil and Natural Gas Sector: Emission Standards for New, Reconstructed and Modified Sources Reconsideration". Materials / agendas will be sent out prior to each meeting.